

WHAT IS CLAIMED IS:

1. A snowboard binding comprising:
a base member having a front portion, a rear portion and a longitudinal axis
extending between said front and rear portions; and
5 a rear binding member coupled to a first lateral side of said rear portion of said
base member, said rear binding member including a first latch member movable
relative to said base member, said first latch member being pivotally supported about
a first pivot axis substantially parallel to said longitudinal axis,
said first latch member being arranged to move laterally upon application of a
10 force in a direction substantially towards said base member.
2. A snowboard binding according to claim 1, wherein
said rear binding member is a first rear binding member and said snowboard
binding further comprises:
15 a second rear binding member coupled to a second lateral side of said rear
portion of said base member, said second rear binding member including a second
latch member movable relative to said base member, said second latch member being
pivotally supported about a second pivot axis substantially parallel to said
longitudinal axis,
20 said second latch member being arranged to move laterally upon application
of a force in the direction substantially towards said base member.
3. A snowboard binding according to claim 2, further comprising
a front binding member movably coupled to said front portion of said base
25 member between a release position and a latched position.
4. A snowboard binding according to claim 2, wherein
said first and second latch members are arranged to move laterally apart
relative to each other from first and second initial positions to first and second guide
30 positions upon application of a force in said direction substantially towards said base
member.

5. A snowboard binding according to claim 4, wherein
said first latch member is arranged to move from said first guide position to a
first locking position to selectively hold a first rear catch portion of a snowboard boot;
and

5 said second latch member is arranged to move from said second guide position
to a second locking position to selectively hold a second rear catch portion of the
snowboard boot.

6. A snowboard binding according to claim 2, wherein
10 said first and second latch members are normally urged to first and second
initial positions by first and second biasing members, respectively.

7. A snowboard binding according to claim 2, wherein
said first and second latch members are first and second pawls that are
15 normally urged by first and second biasing members from first and second guide
positions to first and second locking positions, respectively, said first pawl includes a
first locking surface and a first guide surface, said second pawl includes a second
locking surface and a second guide surface.

8. A snowboard binding according to claim 7, wherein
20 said first pawl is pivotally supported about said first pivot axis, and said
second pawl is pivotally supported about said second pivot axis.

9. A snowboard binding according to claim 2, wherein
25 said base member includes a mounting portion and a pair of side attachment
portions extending perpendicularly from said mounting portion, said side attachment
portions having said first and second latch members coupled thereto, respectively.

10. A snowboard binding according to claim 9, wherein
30 said base member further includes a highback support extending upwardly
relative to said rear portion of said base member.

11. A snowboard binding according to claim 1, further comprising a front binding member movably coupled to said front portion of said base member between a release position and a latched position.

5 12. A snowboard binding according to claim 11, wherein said front binding member includes a front pawl urged to said latched position by a front biasing member that applies an urging force on said front pawl, and a release lever coupled to said front pawl to move said front pawl from said latched position to said release position upon application of a force on said release lever that
10 is greater than said urging force of said front biasing member.

13. A snowboard binding according to claim 11, wherein said front binding member is longitudinally adjustable relative to said front portion of said base member such that said front binding member can be selectively
15 coupled at different longitudinal positions relative to said base member.

14. A snowboard binding according to claim 13, wherein said rear binding member is longitudinally adjustable relative to said rear portion of said base member such that said rear binding member can be selectively
20 coupled at different longitudinal positions relative to said base member.

15. A snowboard binding according to claim 1, wherein said rear binding member is longitudinally adjustable relative to said rear portion of said base member such that said rear binding member can be selectively
25 coupled at different longitudinal positions relative to said base member.

16. A snowboard binding according to claim 2, wherein said rear portion of said base member includes a base plate with said first and second rear binding members mounted on support members that are slanted upwardly
30 and outwardly relative to said base plate.

17. A snowboard binding according to claim 16, wherein
said support members are part of a heel cup with a highback support mounted
thereto.

5 18. A snowboard binding system, comprising:
a snowboard boot having a sole portion, a front catch portion located at a front
part of said sole portion, a first rear catch portion located at a first lateral side of said
sole portion and a second rear catch portion located at a second lateral side of said
sole portion; and
10 a snowboard binding configured to be releasable coupled to said snowboard
boot, said snowboard binding including
a base member having a front portion, a rear portion and a longitudinal
axis extending between said front and rear portions;
a front binding member movably coupled to said front portion of said base
15 member between a release position and a latched position to selectively
hold said front catch portion;
a first rear binding member coupled to a first lateral side of said rear
portion of said base member, said first rear binding member including
a first latch member movable relative to said base member to
20 selectively hold said first rear catch portion of said snowboard boot,
said first latch member being arranged to move upon application of a
force in a direction substantially towards said base member by said
snowboard boot; and
a second rear binding member coupled to a second lateral side of said rear
25 portion of said base member, said second rear binding member
including a second latch member movable relative to said base member
to selectively hold said second rear catch portion of said snowboard
boot,
said first and second latch members being arranged to move laterally apart
30 relative to each other upon application of a force in said direction
substantially towards said base member by said snowboard boot.

19. A snowboard binding system according to claim 18, wherein said first and second latch members are normally urged to first and second initial positions by first and second biasing members, respectively.

5 20. A snowboard binding system according to claim 19, wherein said first latch member is pivotally supported about a first pivot axis, and said second latch member is pivotally supported about a second pivot axis.

10 21. A snowboard binding system according to claim 20, wherein said first and second pivot axes are arranged substantially parallel to said longitudinal axis of said base member.

15 22. A snowboard binding system according to claim 21, wherein said first and second latch members have first and second elongated locking surfaces, respectively, that are arranged substantially parallel to said longitudinal axis of said base member.

20 23. A snowboard binding system according to claim 21, wherein said first and second latch members have first and second elongated locking surfaces, respectively, that diverge relative to said longitudinal axis of said base member as said first and second elongated locking surfaces extend from said rear portion of said base member towards said front portion of said base member.

25 24. A snowboard binding system according to claim 20, wherein said first and second pivot axes diverge relative to said longitudinal axis of said base member as said first and second pivot axes extend from said rear portion of said base member towards said front portion of said base member.

30 25. A snowboard binding system according to claim 24, wherein said first and second latch members have first and second elongated locking surfaces, respectively, that are arranged substantially parallel to said first and second pivot axes, respectively, such that said first and second elongated locking surfaces

diverge relative to said longitudinal axis of said base member as said first and second elongated locking surfaces extend from said rear portion of said base member towards said front portion of said base member.

5 26. A snowboard binding system according to claim 18, wherein
 said first and second latch members are first and second pawls that are
normally urged by first and second biasing members from first and second guide
positions to first and second locking positions, respectively, said first pawl includes a
first locking surface and a first guide surface, said second pawl includes a second
10 locking surface and a second guide surface.

 27. A snowboard binding system according to claim 26, wherein
 said first pawl is pivotally supported about a first pivot axis, and said second
pawl is pivotally supported about a second pivot axis.

15 28. A snowboard binding system according to claim 18, wherein
 said base member includes a mounting portion and a pair of side attachment
portions extending perpendicularly from said mounting portion, said side attachment
portions having said first and second latch members coupled thereto, respectively.

20 29. A snowboard binding system according to claim 28, wherein
 said base member further includes a highback support extending upwardly
relative to said rear portion of said base member.

25 30. A snowboard binding system according to claim 29, wherein
 said first and second pivot axes are arranged substantially parallel to said
longitudinal axis of said base plate.

30 31. A snowboard binding system according to claim 30, wherein
 said front binding member includes a front pawl urged to said latched position
by a front biasing member that applies an urging force on said front pawl, and a
release lever coupled to said front pawl to move said front pawl from said latched

position to said release position upon application of a force on said release lever that is greater said urging force of said front biasing member.

5 32. A snowboard binding system according to claim 18, wherein
said first latch member is arranged to hold said first rear catch portion at a
plurality of different heights relative to said base member; and
said second latch member is arranged to hold said second rear catch portion at
a plurality of different heights relative to said base member.

10 33. A snowboard binding system according to claim 32, wherein
said first rear catch portion includes a plurality of first notches; and
said second rear catch portion includes a plurality of second notches.

15 34. A snowboard binding system according to claim 33, wherein
said first notches are located at a first lateral side of said snowboard boot; and
said second notches are located at a second lateral side of said snowboard boot
such that said second notches face in a substantially opposite direction from said first
notches.

20 35. A snowboard binding system according to claim 34, wherein
said first notches are elongated in a direction substantially parallel to said
longitudinal axis of said base member; and
said second notches are elongated in a direction substantially parallel to said
longitudinal axis of said base member.

25 36. A snowboard binding system according to claim 18, wherein
said front binding member is longitudinally adjustable relative to said front
portion of said base member such that said front binding member can be selectively
coupled at different longitudinal positions relative to said base member.

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37. A snowboard binding system according to claim 36, wherein said rear binding member is longitudinally adjustable relative to said rear portion of said base member such that said rear binding member can be selectively coupled at different longitudinal positions relative to said base member.

38. A snowboard binding system according to claim 18, wherein said rear binding member is longitudinally adjustable relative to said rear portion of said base member such that said rear binding member can be selectively coupled at different longitudinal positions relative to said base member.

39. A snowboard binding system according to claim 18, wherein said rear portion of said base member includes a base plate with said first and second rear binding members mounted on support members that are slanted upwardly and outwardly relative to said base plate.

40. A snowboard binding system according to claim 39, wherein said support members are part of a heel cup with a highback support mounted thereto.

41. A snowboard boot, comprising:
an upper portion; and
a sole portion coupled to said upper portion, said sole portion having a first rear catch portion located at a first lateral side of said sole portion and a second rear catch portion located at a second lateral side of said sole portion,
said first rear catch portion including at least one first notch and said second rear catch portion including at least one second notch.

42. A snowboard boot according to claim 41, wherein said first rear catch portion includes a plurality of first notches; and said second rear catch portion includes a plurality of second notches.

43. A snowboard boot according to claim 42, wherein
said first notches are elongated in a direction substantially parallel to said
longitudinal axis of said base member; and
said second notches are elongated in a direction substantially parallel to said
longitudinal axis of said base member.

44. A snowboard boot according to claim 42, wherein
said first notches are substantially V-shaped; and
said second notches are substantially V-shaped.

45. A snowboard boot according to claim 42, wherein
each of said first notches has a first abutment surface angled relative to a
bottom surface of said sole portion; and
each of said second notches has a second abutment surface angled relative to
said bottom surface of said sole portion.

46. A snowboard boot according to claim 41, wherein
said first and second rear catch portions are integrally formed with said sole
portion as a one-piece, unitary member.

47. A snowboard boot according to claim 41, wherein
said sole portion includes a front catch portion located at a front part of said
sole portion.

48. A snowboard boot according to claim 47, wherein
said front catch portion is a U-shaped member with a bight portion and a pair
of leg portions coupled to said sole portion.